

CDIO

isep

Instituto Superior de
Engenharia do Porto

P.PORTO



Fall Meeting 2016

ABOUT CDIO

The CDIO™ INITIATIVE is an innovative educational framework for producing the next generation of engineers. The framework provides students with an education stressing engineering fundamentals set in the context of **Conceiving – Designing – Implementing – Operating** real-world systems and products. Throughout the world, CDIO Initiative collaborators have adopted CDIO as the framework of the curricular planning and outcome-based assessment. CDIO collaborators recognize that an engineering education is acquired over a long period and in a variety of institutions, and that educators in all parts of this spectrum can learn from practice elsewhere. The CDIO network therefore welcomes members in a diverse range of institutions ranging from research-led internationally acclaimed universities to local colleges dedicated to providing students with their initial grounding in engineering. ISEP is full member since 2008...

INTRODUCTORY WORKSHOPS

1. Context, Syllabus, Standards and Rubrics: *Johan Malmqvist*
2. Integrated Curriculum: *Kristina Edström*
3. EduScrum: *Eduarda Ferreira, Jorge Mendonça*
4. Design-Build-Test: *Ron Hugo*
5. Active Learning: *Mat Murphy, Juha Kontio*
6. Using Self-evaluations for Collaborative Quality Enhancement: *Jens Bennedsen*
7. Adapting CDIO to Civil Engineering: *Kristina Edström*

PRESENTATIONS/WORKSHOPS

1. EPS@ISEP – European Project Semester at ISEP: *Benedita Malheiro*
2. Faculty Development: *Patrícia Rosado-Pinto*
3. Evaluating Program Outcomes: *Philip Keersebilck*
4. Pilot CDIO-IL: *Silvio Macedo (Xarevision), students*
5. Quality Assurance in Higher Education: *António Costa*
6. Active Learning Methods – Video to Word-clouds: *Bill Williams*
7. Design-Build Courses in Systems Engineering: *Christopher Sá, T. Costa, A. Pinto, J. Magalhães, students*
8. 2030 UN Sustainable Development Goals and CDIO: *Florinda Martins*
9. Erasmus+ Faculty Development Projects: *José Quadrado*
10. Quantifying Professional Profiles: *Oscar Duarte*
11. NMiTE, A New Model for Engineering Education: *Peter Goodhew*

LOCAL ORGANIZERS

José Quadrado (ISEP)
Ângelo Martins (ISEP)
António Costa (ISEP)
Eduarda Ferreira (ISEP)

LOCATION

ISEP, Porto, PORTUGAL

15/16/17/18 NOV.2016
Porto, PORTUGAL

Instituto Superior de Engenharia do Porto
www.isep.ipp.pt/cdio2016

DAY 1

Tuesday, November 15, 2016

19:00 **Welcome Reception**, Porto City Hall
Welcome Address, Mayor Rui Moreira,
João Rocha & Rosário Gamboa

DAY 2

Wednesday, November 16, 2016

Conference Desk

09:00 Registration

Auditorium E

09:30 **Opening Ceremony**

João Rocha (ISEP President)

José Quadrado (Co-Chair)

10:00 **Keynote 1**

Giuliano Augusti, Bernard Remaud (ENAAE)

EUR-ACE®: European-based accreditation
system of Engineering programmes

The origins: G. Augusti, founding president

Achievements and future trends: B. Remaud, pres.

11:00 **Coffee break**

11:30 **Keynote 2**

Johan Malmqvist (CDIO Initiative)

Role of CDIO Methodology in Preparation
for EUR-ACE and ABET Accreditation

12:30 **Lunch at Building E**

14:00 **Round-table "Misfit CDIO EUR-ACE"**

ENAAE, OE-PT, Quacing, CDIO Initiative

José Quadrado (ISEP, moderator)

15:00 **Parallel Sessions 1**

Presentations/Workshops

16:00 **Parallel Sessions 2**

Presentations/Workshops

17:00 **Coffee break**

17:15 **Parallel Sessions 3**

Presentations/Workshops

18:15 **Close-End of Day2**

DAY 3

Thursday, November 17, 2016

Auditorium ISEP

09:00 **Keynote 3**

Hélder Martins (Blip.pt)

New Working Environments

09:45 **Keynote 4**

Kristina Edström (KTH)

Engaging with the past

10:30 **Coffee break**

11:00 **Parallel Sessions 4**

Presentations/Workshops

12:00 **Parallel Sessions 5**

Presentations/Workshops

13:00 **Lunch at Building E**

14:30 **Parallel Sessions 6**

Presentations/Workshops

15:30 **Parallel Sessions 7**

Presentations/Workshops

16:30 **Coffee break**

16:45 **Campus Visits**

Museum+LSA+Porto Design Factory+Auto Lab

17:45 **Close-End of Day3**

20:00 **Gala Dinner** at Cufra Grill Porto

23:00 **Return to hotels**

DAY 4

Friday, November 18, 2016

Auditorium E / Meeting Rooms

08:30 CDIO Plenary session+Presentations+Reports

10:00 CDIO Parallel sessions+Plenary session

11:30 CDIO Council meeting

12:30 **Lunch**

13:30 **Close-End of Meeting**

Updated November 14 2016